

ARAI/TA(4G/SM\_RV)/I3SYS/ ECM1601/2223-AN9525

Dated 27<sup>th</sup> Dec 2022

Cert	Annex	Drg	Total
1	7	0	8 pgs

**CERTIFICATE**  
FOR COMPLIANCE TO THE CENTRAL MOTOR VEHICLES RULES

M/s I3SYS  
983, 1st Floor,  
2K Cross, HRBR Layout,  
Bengaluru 560 043,  
Karnataka (INDIA).

Combined PUC machine (4 Gas analyser and Smoke Meter) Model 'ECM 1601' from M/s I3SYS Bengaluru, was type approved vide ARAI Certificate No. ARAI/TA(4G/SM)/I3SYS/ECM1601/1718-13 Dated 12<sup>th</sup> Oct 2017, as per the test procedure approved by Ministry of Road Transport and Highways, Government of India, New Delhi, and specified in MoRTH/CMVR/TAP-115/116, Issue No.4, Part 8.

The initial type approval certificate no. ARAI/TA(4G/SM)/I3SYS/ECM1601/1718-13 Dated 12<sup>th</sup> Oct 2017, referred above was valid upto 11<sup>th</sup> Oct 2022.

Based on the verification and tests carried out as per AIS 137, Part 8, it is certified that the Combined PUC machine (4 Gas analyser and Smoke Meter) Model 'ECM 1601', manufactured and marketed by M/s I3SYS Bengaluru, meets the requirements of the provisions of Rule 116(3) of the Central Motor Vehicles Rules 1989, as amended up-to-date, for gas analyser and Smoke Meter.

The Combined PUC machine (4 Gas analyser and Smoke Meter) Model 'ECM 1601' is suitable for measurement of free acceleration smoke of in-use diesel vehicles fitted with CI engines and measurement of emissions of in-use vehicles fitted with SI engines as per CMVR 115(2), subject to following conditions :

- The supplier shall abide by the Code of Practice attached herewith as Annexure-A. The supplier has already submitted an affidavit to this effect.
- The supplier shall enter into AMC agreement on annual basis with the authorized PUC Test Centres to whom this model is supplied. The AMC terms shall be as per the Code of Practice referred in (i) above.

This Type Approval certificate is valid for the period of 5 years from the date of its issue or any amendment in the test procedure, whichever is earlier.

The latest Conformity of Production (COP) testing was carried out for the Combined PUC machine (4 Gas analyser and smoke meter) units produced upto 25<sup>th</sup> Apr 2021.

The next COP testing should be completed on or before 25<sup>th</sup> Oct 2023 or production of next 200 Combined PUC machine (4 Gas analyser and Smoke meter) units from 26<sup>th</sup> Apr 2021, whichever is earlier.

**Disclaimer**

- ARAI issues "Type Approval Certificates" (TAC) for vehicles/ components/ parts/ assemblies etc. based on the documents produced and/or prototype/s submitted by the applicant and testing thereof.
- ARAI issues TAC in compliance to Motor Vehicle Act / Central Motor Vehicles Rules and their provisions as amended from time to time or any other statutory orders under which ARAI is authorised. Other Rules/ Acts are outside the purview/ scope of TAC.
- Test(s) on prototype(s) is/are carried out on the basis of standard procedures as notified under specific rules. Results of such tests are the property of bearer of TAC. These results cannot be disclosed unless specifically so ordered by Government, Court, etc.
- The bearer of the TAC is under obligation to ensure production strictly as per the provisions of the specific TAC.
- ARAI is not responsible for testing each vehicles/ components/ parts/ assemblies etc. for which TAC is issued. Further, ARAI is not responsible for ensuring manufacturing quality of the type approved vehicles/ components/ parts/ assemblies etc.
- ARAI is in no way responsible for any misuse or copying of any design/ type/ system in connection with entire vehicle/ components/ parts and assemblies covered under the TAC.
- Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the bearer of TAC and ARAI shall not be liable for any claims or damages. The bearer shall alone be liable for the same, and shall undertake to indemnify ARAI in this regard.
- ARAI has the right, but not under obligation, to initiate cancellation/ withdrawal of the certificate issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ARAI.

The appropriate local courts at Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this certificate / Report.

A A Deshpande  
Sr. Deputy Director

Ref : Test Report No. ARAI/AED/20222023/3000025803/CT/1286 Dt. 27<sup>th</sup> Dec 2022



Authorised Signatory

Dr. Reji Mathai  
Director